4

MINING APPLICATION NO. _____

Date _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN
(Other forms may be used in lieu of MR 2, provided they contain the same information)

1. Name of Applicant or Company Luki Milling Corporation

2. Proposed type of operation Placer Mining

3. (a) Prior Land Use(s) Grazing

   (b) Current Land Use(s) Grazing

   (c) Possible or Prospective Future Land Use(s) Grazing

4. What vegetation exists on the land proposed to be affected Tamarack, Willows, a few small Cottonwoods, scattered clumps of grass and brush.

   (a) Types and Estimated Percent cover or density: Tamarack & Willows, 30% Cottonwoods 5% grass & brush 15% = ±50% cover confirmed by Division Staff (MAW & DWH) 1/6/81

5. What is the pH range of soil before mining? ± 6.8 pH

   Name of Person or Agency and method of determining pH C. J. Hart Beckman pH Meter

6. Site elevation above sea level 4200'

7. In case of coal, oil shale, and bituminous sandstone:

   Principal seam(s) and thickness(es) _____

8. Estimated duration of mining operations 86 years

9. Has overburden, waste or rejected materials been classified as acid or alkali producing? ( ) Yes (x) No
   Does the above material being moved have any other characteristics affecting revegetation? Sand & Gravel

10. Will any underground workings or aquifers be encountered? (x) Yes ( ) No
    Describe Working in Flood plain of Colorado River, Water Table of river will be encountered.
    Is there an active discharge of water from abandoned deep mines on or crossing the land affected? ( ) Yes (x) No If yes, describe the quality of water being discharged. _____

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11. Describe specifically a detailed procedure for: See Supplement 1
    (a) The mining sequence
    (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
    (c) The procedure for site preparation including removing trees and brush.
    (d) The method for removing and stockpiling topsoil or disturbed materials.
    (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic materials.
    (f) A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

Specifically describe: See Supplement 2

(a) Typical cross-section of regrading.
(b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
(c) What type of soil treatment will be utilized.
(d) The method of drainage control for the final regraded area.
(e) Maximum grading slope.

TESTING See Supplement 3

1. Describe method for testing stability of reclamation fill material.

_____

Describe method for the testing of soil that is intended to support vegetation

_____

2. Describe any soil treatment employed as an aid to revegetation _____

_____

3. Describe surface preparation of areas intended to support vegetation:

_____

_____

_____

REVEGETATION

1. Revegetation to be completed by:
    (X) Operator
    ( ) Soil Conservation District
    ( ) Private Contractor
    ( ) Other (specify) _____

    ( ) Hydroseeding
    ( ) Aerial Seeding
    ( ) Conventional or Rangeland Drilli
    ( ) Broadcast and Drag
    ( ) Other _____

2. Will Mulch be used? ( ) Yes (X) No

Type: _____ Rate/Acre _____ lbs.

3. Revegetation Plan and Schedule -

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted
Plan to	follow	program ~~recommended~~		reccomended
by	State	Biologist.		

4. Will affected area be subject to livestock or wildlife grazing?

(x) Yes ( ) No Will vegetation protection be needed? No - grazing use is very limited.

5. Will irrigation be used: ( ) Yes (x) No Type _____

6. Describe maintenance procedures for revegetation if needed, until surety release is granted. Observe progress of revegetation - reseed if needed.

STATE OF Utah

COUNTY OF Grand

I, C. J. Hart, having been duly sworn depose and attest that all of the representations contained in the foregoing application are true to the best of my knowledge; that I am authorized to complete and file this application on behalf of the Applicant and this application has been executed as required by law.

Signed: C. J. Hart

Taken, subscribed and sworn to before me the undersigned authority in my said county, this 14th day of October, 19 80.

Notary Public: Linda Hart

My Commission Expires: March 9, 1981

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides as follows:

> "Information relating to the location, size, or nature of the deposit and marked confidential by the operator, shall be protected as confidential information by the Board and the Division and not be a matter of public record in the absence of a written release from the operator, or until the mining operation has been terminated as provided in subsection (2) of section 40-8-21."

Is confidential information contained herein?

YES _____ (Initial)

NO C. J. H. (Initial)

Sections desired to be maintained as confidential information -

_____ _____ _____

_____ _____ _____

_____ _____ _____

Supplement 1

Luki Milling Corporation
P. O. Box 1075
Vernal, Utah 84078

MR Form 2

11. (a) Mining Sequence.

Move in equipment consisting of: Terex Front End Loader, 3 yd. cap. bucket; Feed hopper, screening and washing plant; 8 yd. cement mixer; concentrator; together with associated light plant, pumps and accessory equipment. With front end loader, build up ramp to hopper on screening plant, set screening plant, enlarge existing pit for water storage, dig settling pit for water after processing, set mixer and and concentrator.

Clear two acre working area of trees and brush. Strip top 6" to 10" of surface and stockpile material.

Operation will consist of loading material, from cleared surface down. Run thru feed hopper and washing and screening plant. Coarse material (1/4" plus) is rejected to waste pile for stockpiling and later reclamation. Fines are added batchwise to mixer for amalgamation. After amalgamation, material is fed to a concentrator which separates light gangue material from heavy concentrates.

Discharge from concentrator goes to settling pit where after settling period it will be reused.

(b) Access is from Utah Highway 128, Cross 1/2 miles existing dirt road on BLM-administered ground and 1/2 mile of dirt road over private ground. Permission has been obtained from owner of private ground for use of this road which adjoins edge of State Mineral Lease to be operated. No actual road will be built as mining will be open pit operation to 15' to 20' depth, and haul will be limited to about 300' or distance determined to be economical. When haul distance becomes uneconomical, plant will be moved to adjoining site.

As one area of the pit is worked out, it will be backfilled with reject material from the screening operation.

11. (c) Trees and brush will be cut and piled. Stumps pulled with front end loader. Basically site is then ready for mining.

11. (d) What topsoil is present will be stockpiled. However, this is a very small amount.

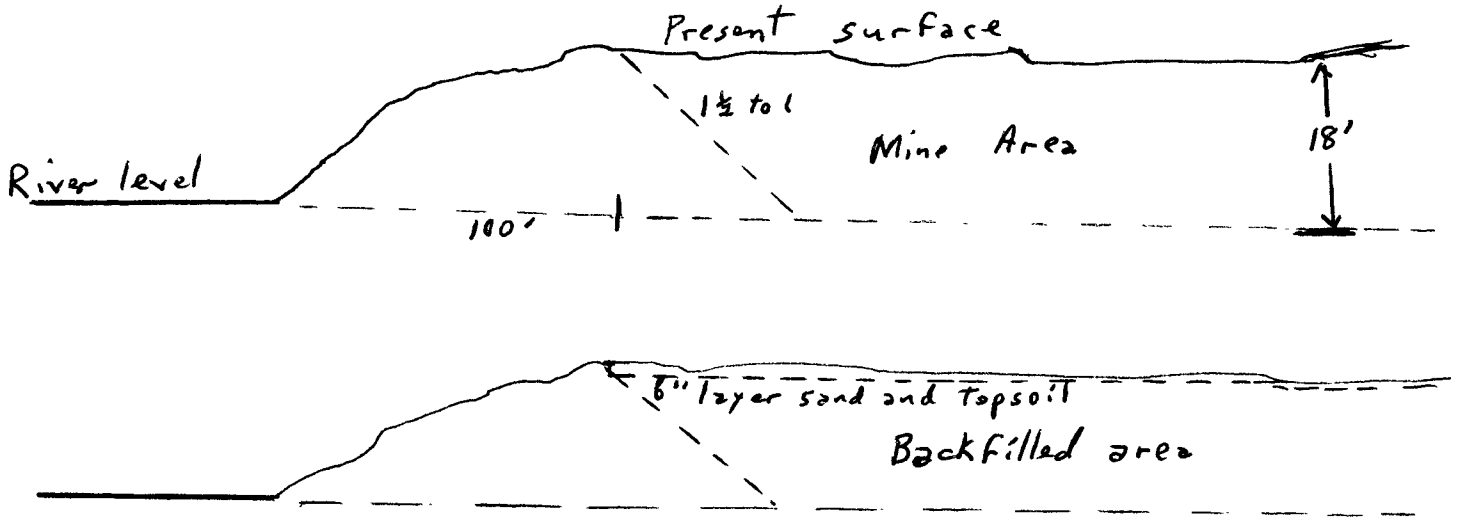
11. (e) Stockpile surplus material for restoring to approximate original grade. All material will either be stockpiled or go to settling pond for reclamation.

11. (f) Final reclamation will consist of backfilling and grading surface. Type of revegetation will follow recommendations of state officers.

Supplement 2

Grading and Regrading

(a)



(b) Upper horizon material spread with loader, graded to 6" thickness and near original contours and reseeded.

(c) No soil treatment planned.

(d) Drainage will be approximately as original surface.

(e) Maximum grading slope 2 to 1

Supplement 3

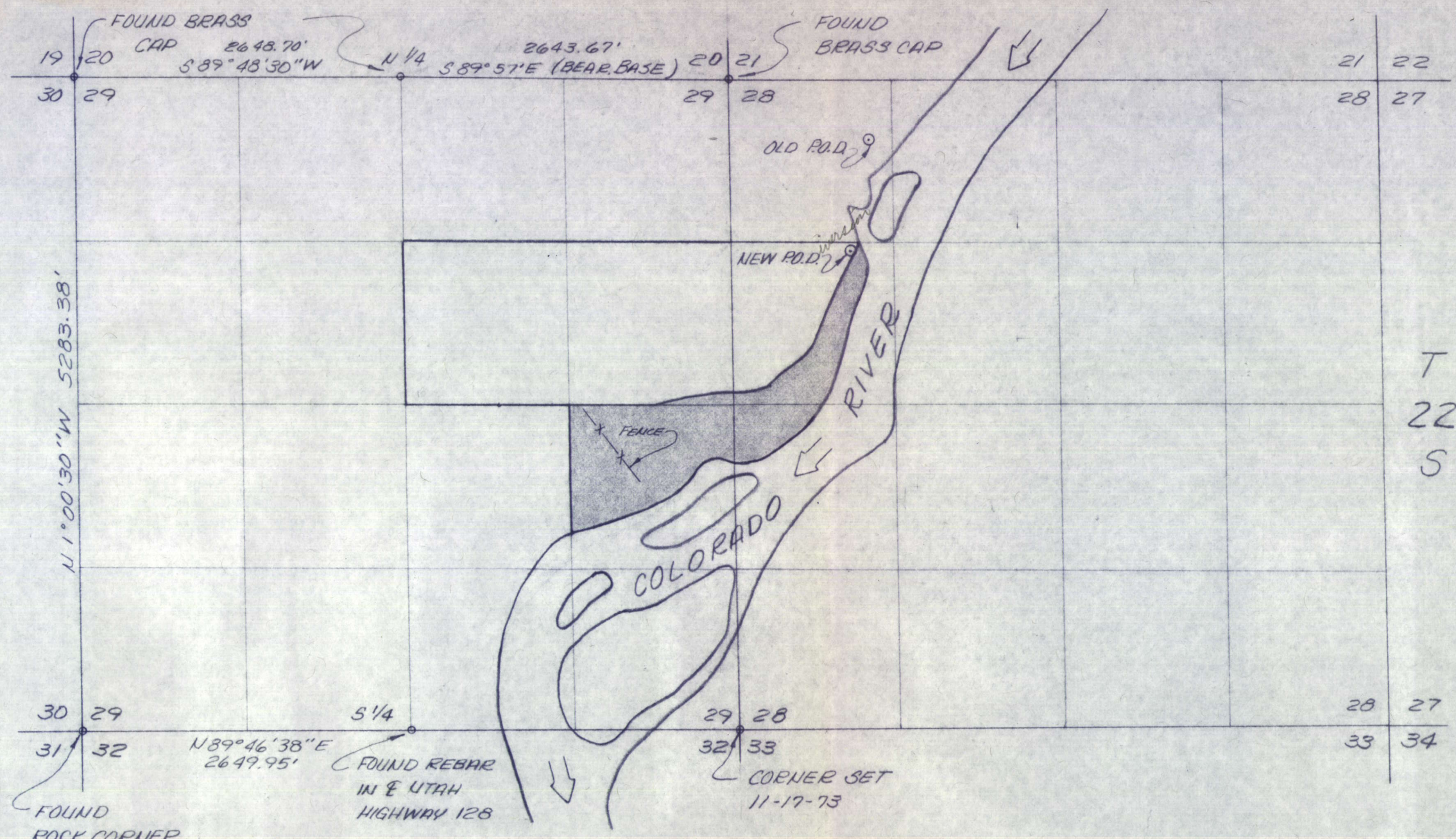
TESTING

1. Fill material will be compacted by rubber tired loader as it is replaced. This will give stability approximating present conditions. Soil will be upper horizon material present which has been stockpiled.

2. No soil treatment is planned.

3. Surfaces to be revegetated will be graded to contour, harrowed, and seed mix recommended by State Biologist will be broadcast on area.

R 24 E



T 22 S

N

SCALE: 1" = 1000'

EDM SURVEY BY J.E. KEOGH OCTOBER, 1980

County Surveyor Grant County

UTAH L.S. No 1963

A MAP OF SUBDIVISION OF SECTION 29 AND SUBDIVISION OF PART OF SECTION 28 (BY PROTRACTION)

BOTH LOCATED IN T 22 S, R 24 E, S.L.B. & M.
GRAND COUNTY, UTAH

Figure 1

SHOWING: UTAH STATE MINERAL LEASE #38305
DRAWN FOR: CARROLL HART

DWN BY TAH 10/80